

26/11/2004

10723679

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1626KAS

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI) available  
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX  
NEWS 6 SEP 27 STANDARDS will no longer be available on STN  
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN  
NEWS 8 OCT 28 KOREAPAT now available on STN  
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current  
search transcripts to be affected by CERAB, COMPUAB, ELCOM,  
and SOLIDSTATE reloads

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 20:19:36 ON 26 NOV 2004

=> E REG

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

The EXPAND command is used to look at the index in a file which has an index. This file does not have an index.

=> FILE REG

**COST IN U.S. DOLLARS**

SINCE FILE ENTRY 0.21	TOTAL SESSION 0.21
-----------------------------	--------------------------

26/11/2004

10723679

FILE 'REGISTRY' ENTERED AT 20:19:45 ON 26 NOV 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9  
DICTIONARY FILE UPDATES: 24 NOV 2004 HIGHEST RN 788132-72-9

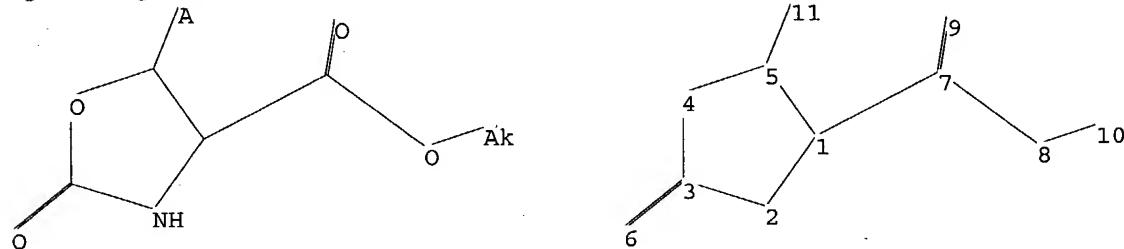
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10723679.str



chain nodes :  
6 7 8 9 10 11  
ring nodes :  
1 2 3 4 5  
chain bonds :  
1-7 3-6 5-11 7-8 7-9 8-10  
ring bonds :  
1-2 1-5 2-3 3-4 4-5  
exact/norm bonds :  
1-2 2-3 3-6 5-11 7-8 7-9 8-10  
exact bonds :  
1-5 1-7 3-4 4-5  
isolated ring systems :  
containing 1 :

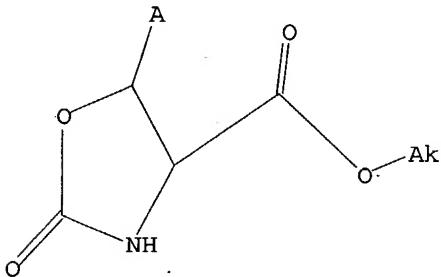
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS

26/11/2004

10723679

L1 STRUCTURE UPLOADED

=> D  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL  
FULL SEARCH INITIATED 20:20:10 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 2934 TO ITERATE

100.0% PROCESSED 2934 ITERATIONS  
SEARCH TIME: 00.00.01

79 ANSWERS

L2 79 SEA SSS FUL L1

=> FILE CAPLUS  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
155.42 155.63

FILE 'CAPLUS' ENTERED AT 20:20:18 ON 26 NOV 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Nov 2004 VOL 141 ISS 23  
FILE LAST UPDATED: 25 Nov 2004 (20041125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L2 AND (THIONYL(L)CHLORIDE)  
62 L2

26/11/2004

10723679

13442 THIONYL

2 THIONYLS

13444 THIONYL

(THIONYL OR THIONYLS)

1010638 CHLORIDE

150630 CHLORIDES

1079324 CHLORIDE

(CHLORIDE OR CHLORIDES)

12725 THIONYL(L) CHLORIDE

L3 1 L2 AND (THIONYL(L) CHLORIDE)

=> D IBIB ABS HITSTR TOT

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001-163779 CAPLUS

DOCUMENT NUMBER: 134:193739

TITLE: Processes for the preparation of 2-oxooxazoline or alloamino acid derivs.

INVENTOR(S): Kobayashi, Makoto; Nagai, Masahiko; Koike, Haruo

PATENT/ASSIGNEE(S): Shionogi &amp; Co., Ltd., Japan

PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

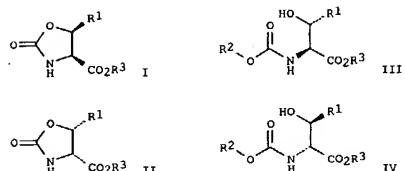
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001016117	A1	20010308	WO 2000-JPS753	20000825
W: AS, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MH, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2383300	PA	20010308	CA 2000-2383300	20000825
EP 1213284	A1	20020612	EP 2000-955029	20000825
EP 1213284	B1	20040103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
CN 1483726	A	20040324	CN 2003-152639	20000825
AT 279435	E	20040105	AT 2000-955029	20000825
US 6541641	B1	20030401	US 2002-70974	20020619
US 2003055264	A1	20030320	US 2002-229819	20020827
US 6747157	B2	20040608		
US 2004077876	A1	20040422	US 2003-723679	20031125
US 2004106820	A1	20040603	US 2003-723136	20031125
			JP 1999-242647	A 19990830
PRIORITY APPLN. INFO.:			WO 2000-JPS753	W 20000825
			US 2002-70974	A3 20020619
			US 2002-229819	A3 20020827

OTHER SOURCE(S): CASREACT 134:193739; MARPAT 134:193739  
GI

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

(Continued)



AB A process for the preparation of compds. of general formula (I) or (II) (wherein R1 is optionally substituted lower alkyl, aryl, alkenyl, or heteroaryl; R2 is lower alkyl, optionally substituted aralkyl, or heteroarylalkyl; and R3 is lower alkyl) comprises treating a compound of general formula (III) or (IV) with thionyl chloride for cyclization and epimerization. This process stereoselectively and economically gives 2-oxooxazoline or alloamino acid derivs. The compds.

I and II are important intermediates for TRH (TSH releasing hormone) derivs.

Thus, 50.0 g N-benzyloxycarbonyl-L-threonine Me ester (preparation given) and 24.48 g SOCl<sub>2</sub> were added to 250 mL toluene, stirred at 80° for 8 h, cooled to room temperature, and extracted with 150 mL H<sub>2</sub>O, followed by washing the aqueous layer with 25 mL toluene and reextg. each toluene layer with 50 mL H<sub>2</sub>O. The combined aqueous layer was treated with 18.94 g 36% HCl and stirred at 80° for 1 h, followed by distilling off water, adding 100 mL water, and then concentrating the mixture. To the concentrate residue was added 200 mL MeCN and then concentrated, followed by repeating the same procedure two more times and adding MeCN to a total volume of approx. 50 mL. The obtained slurry was stirred at 0±5° for 1 h and the precipitated crystals were collected by filtration, and dried to give 17.4% I (R1 = me, R3 = H) (64% yield). The latter compound (3.00 g) was treated with 10.5 g 36% HCl and refluxed for 15

h, followed by distilling off water, adding 10 mL water, and concentrating the mixture to an oil. The obtained oil was dissolved in 10 mL water and adjusted at pH 6.0 by adding aqueous LiOH, followed by distilling off water. To the obtained solid was added 8 mL MeOH and stirred at room temperature for 1 h, and filtered to give, after drying, 2.25 g L-allo-Threonine (91% yield).

IT 182267-22-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

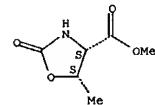
(Reactant or reagent)

(prep. of oxooxazoline or alloamino acid derivs. by cyclization and epimerization of N-benzyloxycarbonylthreonine with thionyl chloride to oxooxazoline deriv. followed by esterification or hydrolysis)

RN 182267-22-7 CAPLUS

CN 4-Oxazolidinecarboxylic acid, 5-methyl-2-oxo-, methyl ester, (4S,5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

26/11/2004

10723679

=> LOGOFF

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.72	165.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.70	-0.70

STN INTERNATIONAL LOGOFF AT 20:21:56 ON 26 NOV 2004